

Noorda Engineering & Applied Science Building



WEBER STATE UNIVERSITY

Infrastructure and General Government Appropriations
Subcommittee

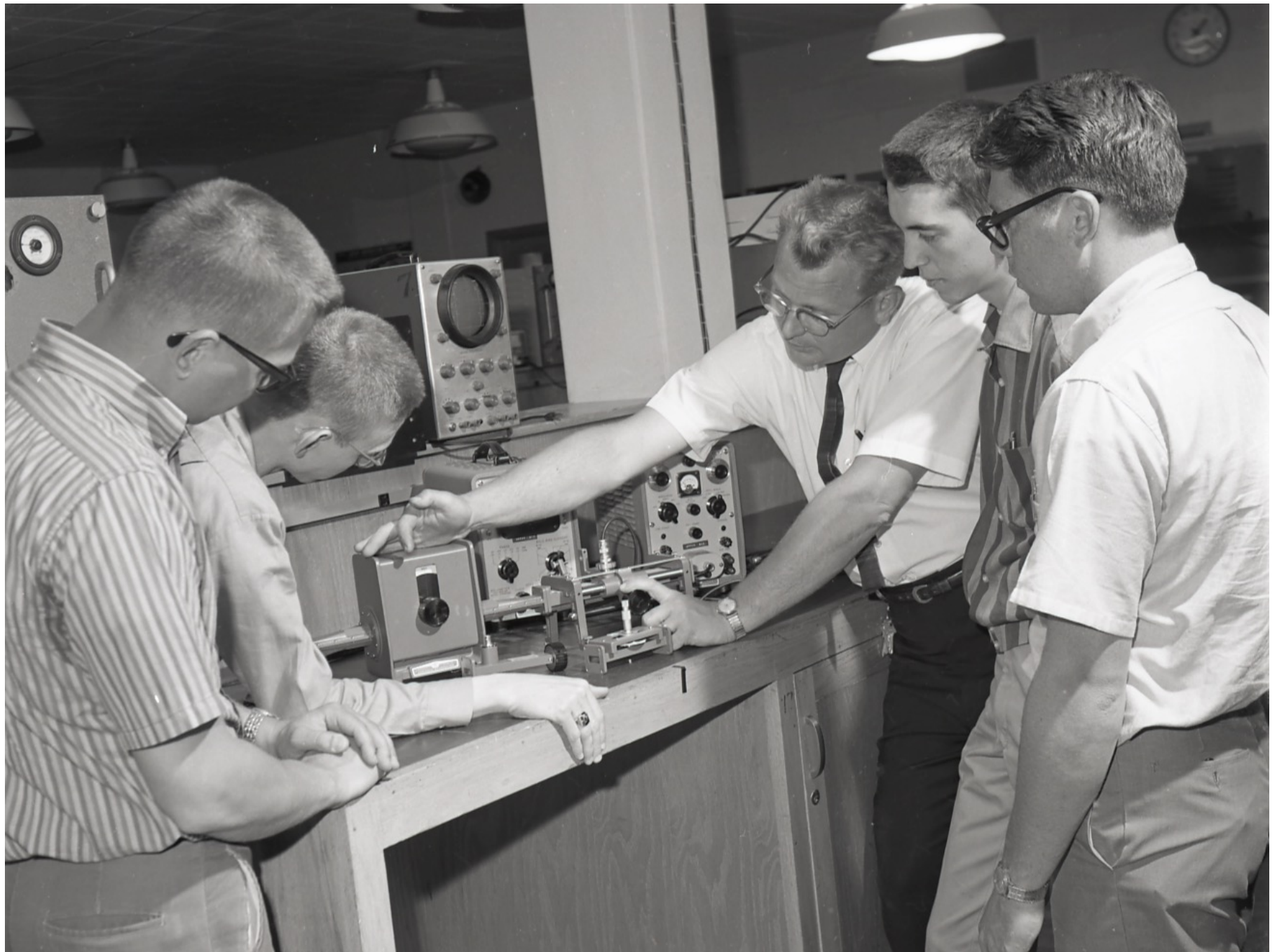






COMPUTER SCIENCE
DEPARTMENT

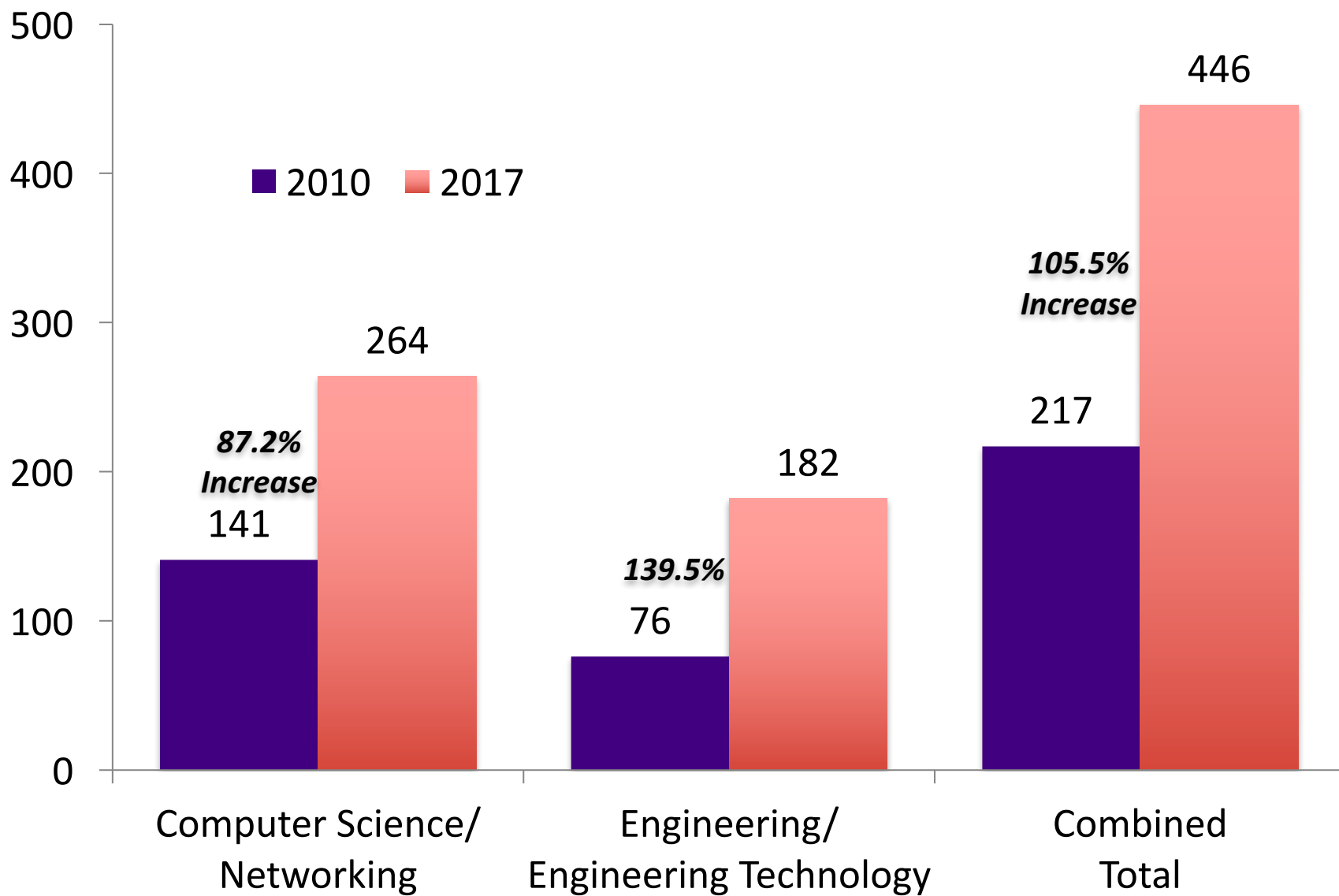
Office Directory	
In Main Office	
Ranee Dearden	110
Pat DeJong	110C
Linda Dulfadway	110K
Rob Hilton	110G
Spencer Hilton	110E
Joshua Jensen	110B
Brian Rague	110F
Hugo Valle	110D
Drew Weidman	110J
Through Computer Lab	
Robert Ball	110A



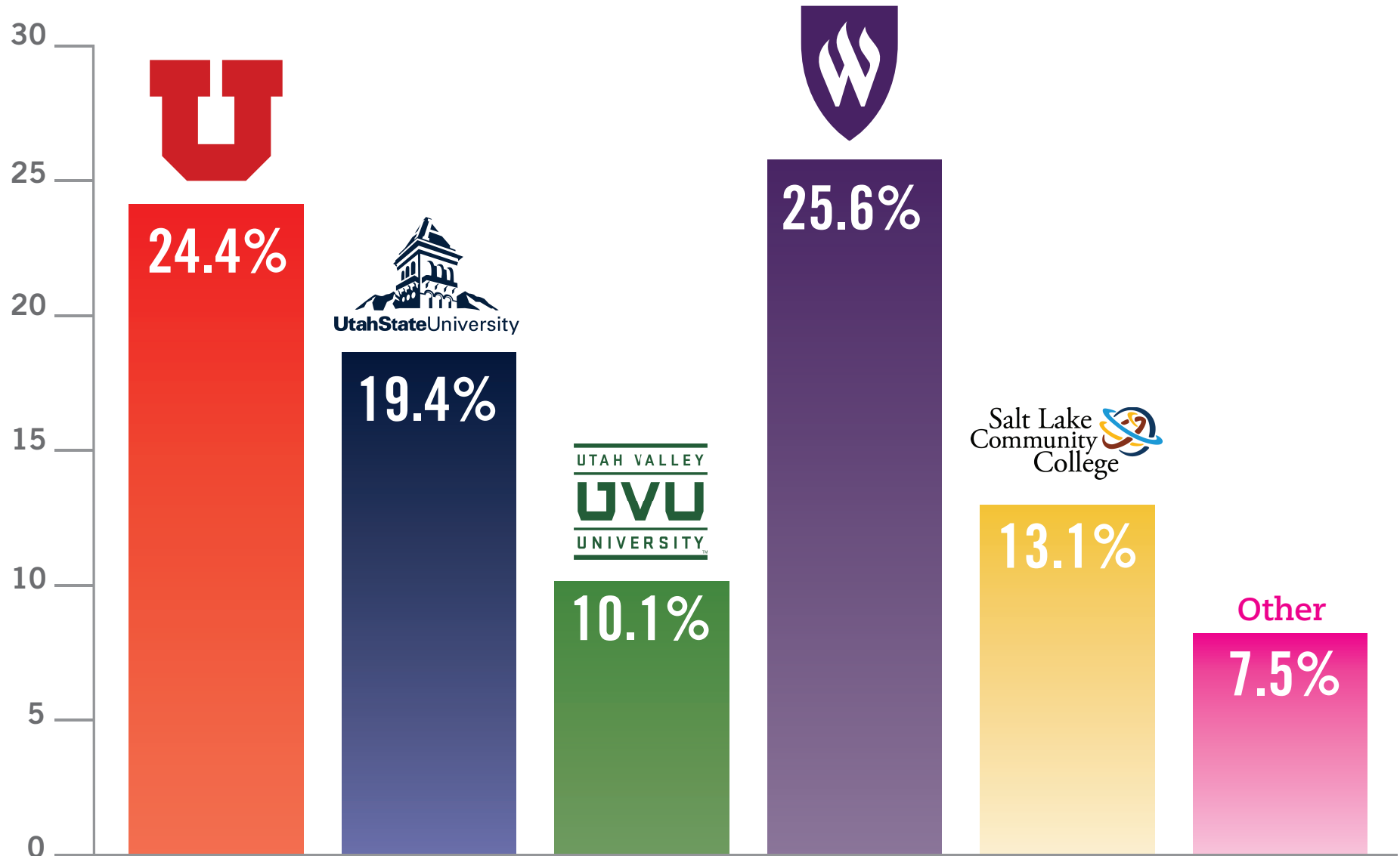
Electrical Engineering

A photograph of three students in an electrical engineering laboratory. A woman with dark hair and glasses, wearing a grey blazer over a teal top, stands in the center, looking down at a computer monitor. To her left, a man with glasses and a red and black plaid shirt over a white t-shirt is seated, looking at the same monitor. To her right, another man with blonde hair, wearing a green shirt, is seated and looking at the monitor. The background shows various electronic equipment, including power supplies and circuit boards, on lab benches. The text "108 graduates for program that began in 2010" is overlaid in orange on the right side of the image.

108 graduates for
program that began in
2010



EAST boasts the largest share of degree growth for Utah's computer science and engineering programs since 2014



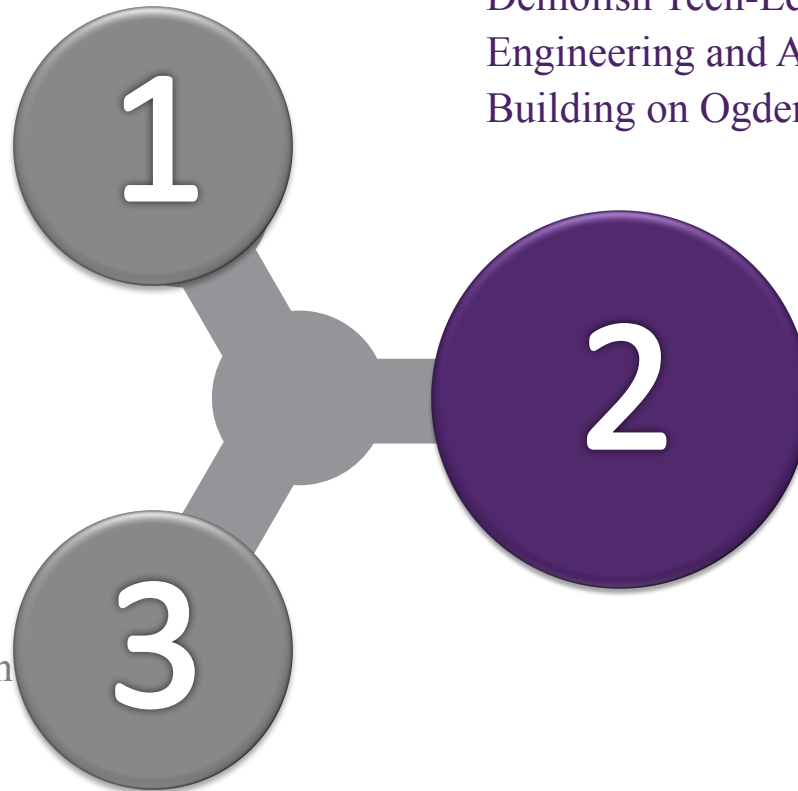
EAST Outreach Programs

- PREP
- Computer & Tech. Camp
- 2D Video Gaming Camp
- Girls' Welding Camp
- Seaperch
- Girls Go Digital!
- FIRST LEGO League
- FIRST LEGO League Jr.
- FIRST Tech Challenge
- Parent-Daughter Engineering/Tech. Night
- Mission to Mars
- Rube Goldberg
- Project Lead the Way



Build Computer and Automotive
Engineering Building at WSU
Davis
(non-state funded)

Demolish Tech-Ed/Build Noorda
Engineering and Applied Science
Building on Ogden campus



Renovate Engineering
Technology Building on Ogden
campus
(capital improvement funds)

The Noorda Project

- Secure \$39.9 million in state funding for a total project cost of \$49.9 million
- Demolish Technical Education Building(TE)
- Construct Noorda Engineering and Applied Science Building in same location on Ogden campus



The Noorda Project

- Provides state-of-the-art learning environment
- Accommodates surging enrollment
- Increases graduation rates
- Fulfills industry demands
- Capitalizes on community support
- Improves campus safety



The Tech. Ed. Building Can't Be Saved



Tech Ed. Problems

- Does not meet current fire and life-safety codes
- Noncompliant with ADA Requirements
- Energy Deficient Windows
- Eroding Steel Window Frames
- Decaying Building Seals
- Poor HVAC
- Frequent Flooding



Awkwardly shaped like a “U”



The Project Will Enhance Academic Programs and Educational Experiences

- An estimated 40,000 additional square feet
- Classrooms
- Laboratories
- Faculty & staff offices
- Spaces for individual/group study and collaboration



Portable classrooms



Faculty offices are converted closets and storage rooms



The Project Will Reduce Operating Costs and Support Sustainability Efforts

- Reduce carbon footprint
- Allow for alternative capital investment opportunities
- Eliminate needless rental expenses
- Use innovative, sustainable designs and construction technology
- Maximize existing utility infrastructure



The Noorda Project is
Time-Sensitive, Has Community Support,
Fulfills Industry Needs and Expands
Partnerships



EAST listens to and responds to changing industry needs:



Hill Air Force Base

Highly technical missions include:

- F-35 fighter jets
- Intercontinental ballistic missiles (ICBM)

NORTHROP GRUMMAN

(global security company)

- Layton: Aircraft manufacturing
- Clearfield: Engineering

BAE SYSTEMS

INSPIRED WORK

Principal contractor for sustainment of Minuteman III ICBMs at HAFB



(leader in aerospace and defense technologies)

- Eight Utah locations including:
 - HAFB: Propulsion systems
 - Freeport Center (Clearfield): Component refurbishment center
 - Clearfield: Aerospace structures



(multinational corporation designs and manufactures commercial jets, and defense, space and security systems)

- Ogden: Aircraft manufacturing
- Layton: Engineering

The Project Will Support Regional Economic Development



Project will provide infrastructure support for high-demand degrees

- Computer Science
- Computer Engineering Master's Degree
- Mechanical Engineering
- 2 + 2 degrees (Associate's, then Bachelor's)
- Strategic Workforce Initiative Partnerships
- NUAMES



Northern Utah Academy of Math, Engineering, & Science



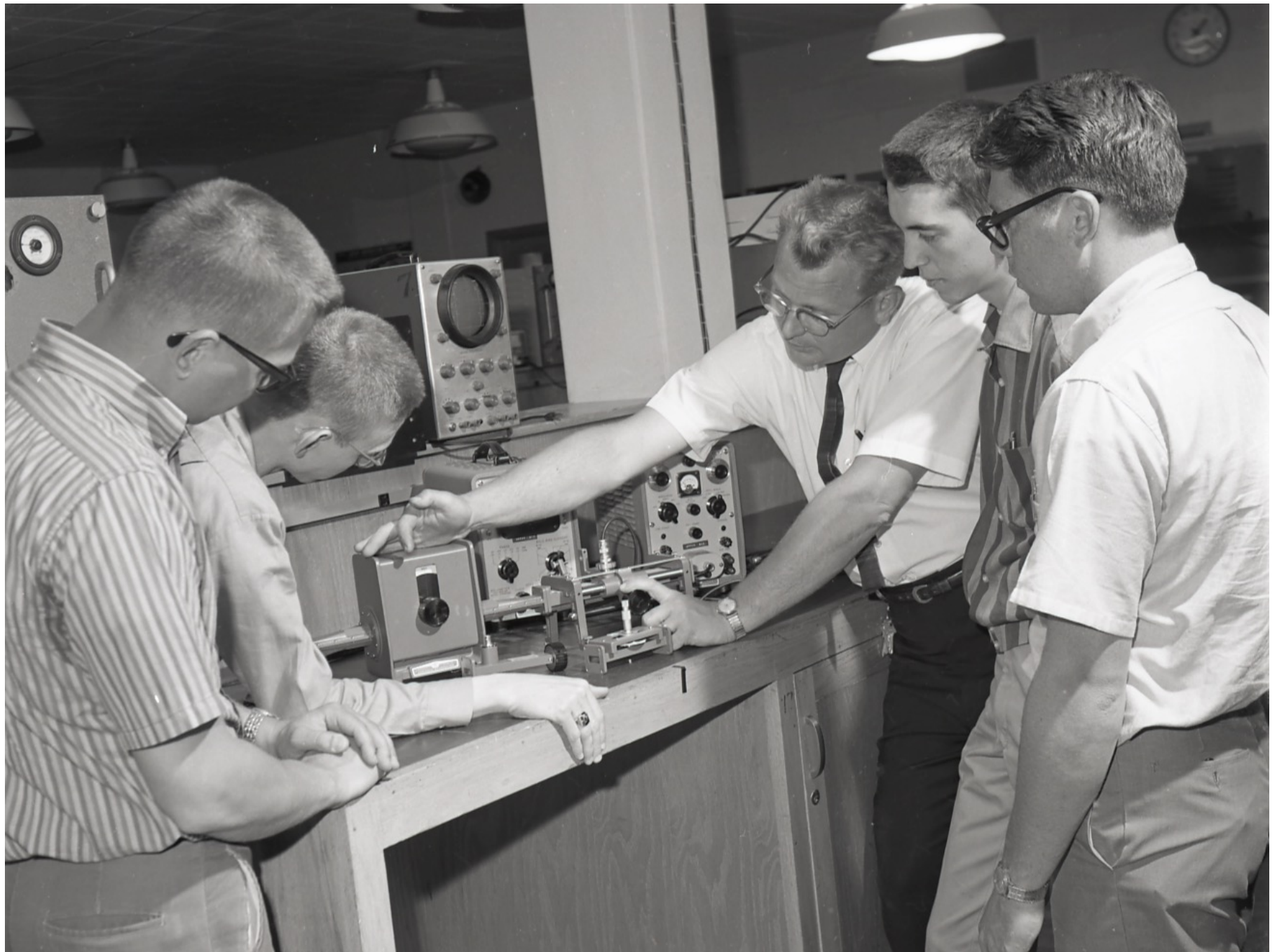
Ranked #1 out of 143 high schools in
the Utah Accountability System.



NORTHERN UTAH ACADEMY
for MATH, ENGINEERING & SCIENCE

- Accelerated STEM workforce pipeline.
- Agreement to fund \$7.5 million (15% of project)
- Committed to guiding underrepresented students into STEM programs.







We owe the students of tomorrow
a building that is
worthy of their dreams.

